



SEQUENCE LISTING

# 8

<110> Cellomics, Inc.  
Busa, William B

<120> Methods and Reagents for Live-cell Gene Expression Quantification

<130> 00-789-A

<140> US 09/965,876

<141> 2001-09-28

<150> US 60/236,407

<151> 2000-09-28

<160> 42

<170> PatentIn version 3.1

<210> 1

<211> 16

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 1

Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys  
1 5 10 15

<210> 2

<211> 27

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 2

Gly Ala Leu Phe Leu Gly Trp Leu Gly Ala Ala Gly Ser Thr Met Gly  
1 5 10 15

Ala Trp Ser Gln Pro Lys Lys Lys Arg Lys Val  
20 25

<210> 3

<211> 16

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

. <223> synthetic peptide

<400> 3

Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro  
1 5 10 15

<210> 4

<211> 26

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 4

Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Lys Ile Asn Leu Lys  
1 5 10 15

Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu  
20 25

<210> 5

<211> 18

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 5

Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys  
1 5 10 15

Leu Ala

<210> 6

<211> 17

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 6

Thr Arg Gln Ala Arg Arg Asn Arg Arg Arg Trp Arg Glu Arg Gln  
1 5 10 15

Arg

<210> 7  
<211> 30  
<212> RNA  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic oligonucleotide

<400> 7  
ggucugggcg cagcgcaagc ugacgguaca

30

<210> 8  
<211> 19  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> x is M or L

<400> 8

Xaa	Asp	Ala	Gln	Thr	Arg	Arg	Arg	Glu	Arg	Arg	Ala	Glu	Lys	Gln	Ala
1				5				10						15	

Gln Trp Lys

<210> 9  
<211> 19  
<212> RNA  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic oligonucleotide

<220>  
<221> misc\_feature  
<222> (1)..(2)  
<223> n is g or absent

<220>  
<221> misc\_feature

<222> (9)..(11)  
<223> r for residues 9-11 is g or c

<220>  
<221> misc\_feature  
<222> (5)..(5)  
<223> s is c or g

<220>  
<221> misc\_feature  
<222> (18)..(19)  
<223> r for residues 18-19 is C or absent

<400> 9  
nngcscugrr raagggcrr

19

<210> 10  
<211> 17  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 10

Asn Ala Lys Thr Arg Arg His Glu Arg Arg Arg Lys Leu Ala Ile Glu  
1 5 10 15

Arg

<210> 11  
<211> 21  
<212> RNA  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic oligonucleotide

<400> 11  
ggugcgcuga caaagcgcgc c

21

<210> 12  
<211> 16  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 12

Met Pro Lys Thr Arg Arg Arg Pro Arg Arg Ser Gln Arg Lys Arg Pro  
1 5 10 15

<210> 13

<211> 33

<212> RNA

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic oligonucleotide

<400> 13

gggcgcggu acgcaaguac gacgguacgc ucc

33

<210> 14

<211> 13

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 14

Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln  
1 5 10

<210> 15

<211> 16

<212> RNA

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic oligonucleotide

<400> 15

ggccagaucu gagccu

16

<210> 16

<211> 15

<212> RNA

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic oligonucleotide

<400> 16

gggagcucuc uggcc

15

<210> 17  
<211> 19  
<212> RNA  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic oligonucleotide

<400> 17  
acaugaggau uacccaugu

19

<210> 18  
<211> 19  
<212> RNA  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic oligonucleotide

<400> 18  
acaugaggau cacccaugu

19

<210> 19  
<211> 13  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 19

Ala Leu Gln Lys Lys Leu Glu Glu Leu Glu Leu Asp Glu  
1 5 10

<210> 20  
<211> 13  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 20

Asp Leu Gln Lys Lys Leu Glu Glu Leu Glu Leu Asp Glu  
1 5 10

<210> 21  
<211> 24  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 21

Asp Lys Glu Arg Trp Glu Asp Val Lys Glu Glu Met Thr Ser Ala Leu  
1 5 10 15

Ala Thr Met Arg Val Asp Tyr Glu  
20

<210> 22

<211> 19

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 22

Trp Asp Arg Thr Phe Ser Leu Phe Gln Gln Leu Leu Gln Ser Ser Phe  
1 5 10 15

Val Val Glu

<210> 23

<211> 9

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 23

Leu Pro Pro Leu Glu Arg Leu Thr Leu  
1 5

<210> 24

<211> 10

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> synthetic peptide

<400> 24

Leu Ala Leu Lys Leu Ala Gly Leu Asp Ile  
1 5 10

<210> 25  
<211> 10  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 25

Leu Gln Gln Gln Leu Gly Gln Leu Thr Leu  
1 5 10

<210> 26  
<211> 10  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 26

Leu Glu Ser Asn Leu Arg Glu Leu Gln Ile  
1 5 10

<210> 27  
<211> 10  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 27

Leu Asp Lys Leu Ser Val Leu Thr Leu Ser  
1 5 10

<210> 28  
<211> 11  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 28

Leu Trp Gln Phe Leu Leu Gln Leu Leu Leu Asp  
1 5 10



<210> 29  
<211> 11  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 29

Leu Cys Gln Ala Phe Ser Lys Val Ile Leu Ala  
1 5 10

<210> 30  
<211> 9  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<220>  
<221> MISC\_FEATURE  
<222> (1)..(3)  
<223> x is any amino acid

<220>  
<221> MISC\_FEATURE  
<222> (5)..(6)  
<223> x is any amino acid

<220>  
<221> MISC\_FEATURE  
<222> (8)..(8)  
<223> x is any amino acid

<400> 30

Xaa Xaa Xaa Leu Xaa Xaa Leu Xaa Leu  
1 5

<210> 31  
<211> 24  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 31

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys Ala Ala Asn Lys Gly  
20

<210> 32  
<211> 23  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 32

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys Ala Ala Asn Lys  
20

<210> 33  
<211> 19  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 33

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys

<210> 34  
<211> 20  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 34

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys Ala  
20

<210> 35  
<211> 21  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 35

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys Ala Ala  
20

<210> 36  
<211> 22  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 36

Met Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys Ala Ala Asn  
20

<210> 37  
<211> 24  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 37

Leu Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys Ala Ala Asn Lys Gly  
20

<210> 38  
<211> 23  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 38

Leu Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys Ala Ala Asn Lys  
20

<210> 39  
<211> 19  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 39

Leu Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys

<210> 40  
<211> 20  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 40

Leu Asp Ala Gln Thr Arg Arg Arg Glu Arg Arg Ala Glu Lys Gln Ala  
1 5 10 15

Gln Trp Lys Ala  
20

<210> 41

<211> 21  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 41

Leu	Asp	Ala	Gln	Thr	Arg	Arg	Arg	Glu	Arg	Arg	Ala	Glu	Lys	Gln	Ala
1				5				10						15	

Gln	Trp	Lys	Ala	Ala
			20	

<210> 42  
<211> 22  
<212> PRT  
<213> ARTIFICIAL SEQUENCE

<220>  
<223> synthetic peptide

<400> 42

Leu	Asp	Ala	Gln	Thr	Arg	Arg	Arg	Glu	Arg	Arg	Ala	Glu	Lys	Gln	Ala
1				5				10						15	

Gln	Trp	Lys	Ala	Ala	Asn
			20		